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MSDS Information

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Section 1. CHEMICAL PRODUCT SECTION

Product Name: EQUINOX GOLD
Product Number: 3045 BULK
General Use: Water Based Precision Cleaner / Degreaser
Product Description: Water based neutral pH product

MANUFACTURER: Techspray
P.O. Box 949
Amarillo, TX 79105-0949
PHONE: 806/372-1068
FAX: 806/372-1102

For Chemical Emergency, Spill, Leak, Fire Exposure, or Accident Call CHEMTREC DAY OR NIGHT 1-800-424-9300.

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Section 2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL	C.A.S. Number	Weight %
Deionized water	7732-18-5	85-95
Tetrapotassium pyrophosphate, anhydrous	7320-34-5	<1
TEA-dodecylbenzenenesulfonate	27323-41-7	<1
Nonylphenoxypoly(ethyleneoxy)ethanol, branched	68412-54-4	<1
Dipropylene glycol monomethyl ether	34590-94-8	5-10
Polyoxylene decyl phosphate, K+ salt	68071-17-0	<1
Tetrasodium ethylenediaminetetraacetate, hydrate		<1
Fragrance		<<1
Dye		<<1

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

	Exposure Limits 8 Hours TWA (PPM)		
	OSHA PEL	ACGIH TLV	Supplier
Deionized water	NE	NE	
Tetrapotassium pyrophosphate, anhydrous	5 mg/M3	3 mg/M3	
TEA-dodecylbenzenenesulfonate	NE	NE	
Nonylphenoxypoly(ethyleneoxy)ethanol, branched	NE	NE	
Dipropylene glycol monomethyl ether	100	100	
Polyoxylene decyl phosphate, K+ salt	NE	NE	
Tetrasodium ehtylenediaminetetraacetate, hydrate	NE	NE	
Fragrance			
Dye			

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Section 3. HAZARD IDENTIFICATION

Emergency Overview:

Potential Health Effects:

INHALATION: Little, if any, effects caused by inhalation of the vapors from this product.

EYES: Possible Irritant, not likely to cause permanent damage.

SKIN: Possible skin irritant. Prolonged contact can cause redness,

swelling and cracking of skin.
INGESTION: Nausea and diarrhea possible.

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Section 4. FIRST AID MEASURES

Inhalation:

Move to fresh air in case of accidental inhalation of vapors. If victim has stopped breathing, give artificial respiration. Call for prompt medical attention.

Eye Contact:

Flush eyes with large amounts of water for 15 minutes or until irritation subsides. If irritation persists, get medical attention.

Skin Contact:

Remove contaminated clothing (including shoes) and wash before reuse. Flush with large amounts of water. Use soap if available. If irritation persists, seek medical attention.

Ingestion:

Do not induce vomiting unless directed by a physician. If conscious and alert, give two glasses of water. Seek medical attention immediately.

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Section 5. FIRE FIGHTING MEASURES

Flash Point & Method: None F TCC Method
Flammable Limits: LEL: NA UEL: NA
Autoignition Temperature:

GENERAL HAZARD:

NONE

FIRE FIGHTING INSTRUCTIONS:

Fire fighters should wear self contained, positive-pressure breathing apparatus and avoid skin contact. Cool containers with water spray. Evacuate personnel to a safe area.

FIRE FIGHTING EQUIPMENT:

Water, foam, dry chemical, carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Forced Combustion yields:

Smoke, fumes and oxides of carbon.

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Section 6. ACCIDENTAL RELEASE MEASURES

LAND SPILL:

Absorb liquid on appropriate material. Place in sealed container for disposal. Waste concentrate can be incinerated in an approved fuels incineration program in accordance with state/provincial, and local requirements.
Prevent spilled material from entering sewers, waterways,or low areas.

WATER SPILL:

Section 7. HANDLING AND STORAGE

STORAGE TEMPERATURE: Ambient
STORAGE PRESSURE: Atmospheric

GENERAL:
Keep container closed when not in use. Store in cool, well ventilated place out of direct sunlight and away from incompatible materials. (See STABILITY AND REACTIVITY Section 10.) Follow all MSD Sheet and Label warnings even after container is emptied.

Section 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls:
(X) Local Exhaust ventilation acceptable.
( ) Mechanical ventilation recommended.
( ) Use explosion-proof ventilation equipment.
( ) Do not use in confined spaces without mechanical ventilation equipment.
See section 2 for component exposure guidelines.

Personal Protection:
RESPIRATOR:
If concentrations are over the exposure limit and are known, air purifying respirator with Organic Vapor Cartridges may be acceptable. Refer to cartridges for acceptable levels. If concentrations are over exposure limit and are unknown, use a supplied air respirator.

HAND PROTECTION:
(X) Gloves recommended

(X) Solvex	(X) Neoprene
(X) Butyl	(X) Buna
( ) Natural Latex	( ) Cotton/Jersey

EYE PROTECTION:
(X) Safety Glasses ( ) Chemical Goggles ( ) Full Face Shield

OTHER RECOMMENDATIONS:

( ) Rubber Boots ( ) Splash-proof chemical resistant suit/apron

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Density	1.001	pH	Neu
Boiling Point	149C / 300F	% Volatile	100
Freezing Point	NIF	% Solids	0
Vapor Density (Air=1):	5.0	Evaporation Rate (H2O=1)	NIF
Solubility in Water	60	Viscosity	N/A
Molecular Weight	N/A	Physical State	LIQUID
Non-Exempt VOC (g/l)	54	Odor	NIF

Appearance: Alcohol odor clear liquid

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Section 10. STABILITY AND REACTIVITY

GENERAL:

STABLE

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

None

Reactive alkali metals, strong acids & bases.

HAZARDOUS DECOMPOSITION:

Forced combustion yields carbon oxides.

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Section 11. TOXICOLOGICAL INFORMATION

RESULTS OF COMPONENT TOXICITY TEST PERFORMED:

Information not available.

HUMAN EXPERIENCE:

Information not available.

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Section 12. ECOLOGICAL INFORMATION

FURTHER INFORMATION:

Information not available.

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Section 13. DISPOSAL CONSIDERATIONS

RCRA 40 CFR 261 Classification:

Federal, State, and Local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

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Section 14. TRANSPORTATION INFORMATION

U.S. DOT Information

Basic Description: NON HAZARDOUS MATERIAL

Proper Shipping Name: N/A

Hazard Class: N/A

Packaging Group: N/A

UN Number: N/A

Limitations: N/A

IATA

Proper Shipping Name: NON HAZARDOUS MATERIAL

Hazard Class:NA

Packing Group: NA

UN Number: NA

Limitations: NA

IMO

Proper Shipping Name: NON HAZARDOUS MATERIAL

Class: NA

UN Number:NA
Packaging Group: NA
EMS: NA
MFAG: NA
Marine Pollutant: NA
Canadian TDG:N/A
IMDG: NA
Limitations: NA

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Section 15. REGULATORY INFORMATION

UNITED STATES FEDERAL REGULATIONS:

MSDS complies with OSHAs Hazard Communication Rule, 29 CFR 1910.1200.

CERCLA/SUPERFUND, 40 CFR 117, 302:
--- None of the chemicals are Superfund hazards ---

SARA SUPERFUND AND REAUTHORIZATION ACT OF 1986
TITLE III Sections 302, 311, 312 and 313:
Section 302 - Extremely hazardous substances (40 CFR 355):
--- None of the chemicals are Section 302 hazards ---

Section 311/312 - Material Safety Data Sheet Requirements (40 CFR 370)
( ) By our hazard evaluation, this product is non-hazardous.
(X) By our hazard evaluation, this product is hazardous. It should be reported under the following EPA hazard.
(X) Immediate (acute) health hazard
( ) Delayed (chronic) chronic health hazard
( ) Sudden release of pressure hazard
( ) Reactive hazard
( ) Flammable

Section 313 - List of Toxic Chemicals (40 CFC 372)
This product contains the following chemicals (at levels of 1% or greater) which are found on the 313 list of Toxic Chemicals.

CHEMICAL	C.A.S. NUMBER	WEIGHT %
--- None of the chemicals are 313 Toxic Chemicals ---		

TOXIC SUBSTANCE CONTROL ACT (TSCA): All substances are TSCA Listed.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA 40 CFR 261) Subpart C & D:
Refer to Section 11. for RCRA classification.

FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT, 40 CFR 401.15 (FORMERLY SECTION 307), 40 CFR 116 (FORMERLY SECTION 311)
This product contains the following chemicals which are listed:

CHEMICAL	C.A.S. NUMBER	WEIGHT %

CLEAN AIR ACT: --- No Information ---

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:
This product contains the following ingredients which appear on the California proposition 65 list:

CHEMICAL	C.A.S. NUMBER	WEIGHT %

INTERNATIONAL REGULATIONS:
CANADA WHMIS: NIF
EUROPE EINECS NUMBERS: NIF

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Section 16. OTHER INFORMATION

LABEL INFORMATION:
European risk and Safety Phrases: NIF
European Symbols Needed: NIF
Canadian WHMIS Symbols: NIF

NFPA HAZARD RATING:
(0) Fire (1) Health (0) Reactivity

Authorized by the USDA for use in federally inspected meat and poultry plants.

REVISION DATES, SECTIONS, REVISED BY:
26-OCT-01, Reviewed By S. Cook
23-JAN-97, Created, B. Riffel
02-May-97, Updated Section 15, Bruce Riffel
18-JUN-97, Updated Section 3, B. Riffel
21-DEC-00, Updated Section 16, A. Pickens
25-JAN-02, Updated Section 2, D. Sloan

ABBREVIATIONS USED IN THIS DOCUMENT:
NE - Not Established, NA - Not Applicable, NIF - No Information Found

REFERENCES:
Code of Federal Regulations (CFR)
The Sigma-Aldrich Library of Regulatory and Safety Data
Chemical Guide and OSHA Hazard Communication Standard
Various Federal, State & Local Regulations

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